

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A total temperature measurement probe for an aircraft, comprising :

a base [[(1)]], an external face [[(2)]] of which is intended to be mounted so as to be substantially coplanar with a skin of the aircraft, and a mast [[(3)]] that projects from the base [[(1)]] and supports an active part [[(4)]] of the probe, ~~characterized in that~~ wherein it furthermore includes several temperature sensors placed on the external face of the base [[(1)]] and distributed around the mast [[(3)]].

2. (currently amended): The probe as claimed in claim 1, ~~characterized in that~~ wherein the temperature sensors (6 to 9) are thermally insulated from the external face [[(2)]] of the base [[(1)]].

3. (currently amended): The probe as claimed in ~~either of the preceding~~ claim[[s]] 1, ~~characterized in that~~ wherein it includes at least three temperature sensors (6 to 9).

4. (currently amended): A method of determining temperature by means of a total temperature probe as claimed in claim 1, ~~characterized in that~~ wherein the total temperature of the air surrounding the probe is determined on the basis of the temperature measurement carried out in the active part [[(4)]] of the probe and on the basis of the maximum difference that exists between the measurements made by the temperature sensors (6 to 9).

5. (currently amended): The method as claimed in claim 4, ~~characterized in that~~ wherein the total temperature of the air surrounding the probe is determined as a function of the speed of the air surrounding the probe.

6. (new): The probe as claimed in claim 2, wherein it includes at least three temperature sensors.